



Practitioner's Docket No. 019028-56

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: John K. Leach and Steven R. Tannenbaum

Application No.: 10/521,920                      Group No.: 1651  
Filed: July 11, 2005                      Examiner: To be assigned  
Confirmation No.: 6179                      Customer No.: 53143  
For: METHODS FOR PERFUSION AND PLATING OF PRIMARY  
HEPATOCYTES AND A MEDIUM THEREFORE

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

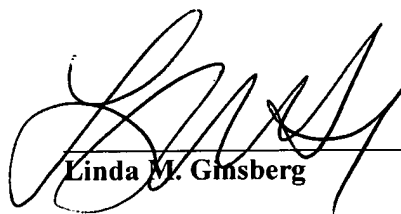
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1. Certificate of Mailing (1 pg.);
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3. Request for Corrected Filing Receipt (2 pp.);
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\_\_\_\_\_  
Linda M. Ginsberg

**Practitioner's Docket No. 019028-56312**

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:    John K. Leach and Steven R. Tannenbaum

Application No.: 10/521,920                      Group No.: 1651  
 Filed: July 11, 2005                              Examiner: To be assigned  
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 For: METHODS FOR PERFUSION AND PLATING OF PRIMARY  
 HEPATOCYTES AND A MEDIUM THEREFORE

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February 8, 2006  
Date

Linda M. Ginsberg  
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**Signature of person mailing paper**

**Commissioner for Patents**  
**P. O. Box 1450**  
**Alexandria, VA 22313-1450**

## REQUEST FOR CORRECTED FILING RECEIPT

1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.
2. There is an error with respect to the following data, which is:

[ ] incorrectly entered

*and/or*

[X] omitted.



Patentitioner's Docket No. 019028-56312

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: John K. Leach and Steven R. Tannenbaum

Application No.: 10/521,920                      Group No.: 1651  
Filed: July 11, 2005                      Examiner: To be assigned  
Confirmation No.: 6179                      Customer No.: 53143  
For: METHODS FOR PERFUSION AND PLATING OF PRIMARY HEPATOCYTES AND A  
MEDIUM THEREFORE

**Error in**

**Correct data**

- |  |                             |                         |
|--|-----------------------------|-------------------------|
| 1. <input checked="" type="checkbox"/> | Second Applicant's name     | 1. Steven R. Tannenbaum |
| 2. <input checked="" type="checkbox"/> | Second Applicant's address  | 2. Framingham, MA       |
| 3. <input type="checkbox"/>            | Title                       | 3.                      |
| 4. <input type="checkbox"/>            | Filing Date                 | 4.                      |
| 5. <input type="checkbox"/>            | Serial Number               | 5.                      |
| 6. <input type="checkbox"/>            | Foreign/PCT Application Re: | 6.                      |
| 7. <input type="checkbox"/>            | Other                       | 7.                      |

3. *(complete the following applicable item)*

☒ The correction(s) is not due to any error by applicant and no fee is due.

OR

☐ At least one of the above corrections is due to applicant's error and the fee therefore, under 37 C.F.R. Section 1.19(h), of \$25.00 is paid as follows:

Date: February 8, 2006

Respectfully submitted,

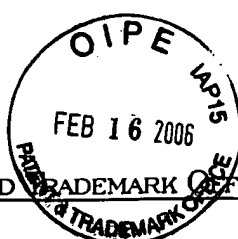
Ronald I. Eisenstein (Reg. No. 30,628)  
J. Amelia Feulner (Reg. No. 58,039)  
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100 Summer Street  
Boston, MA 02110  
(617) 345-6054

GP 1631/

JFW



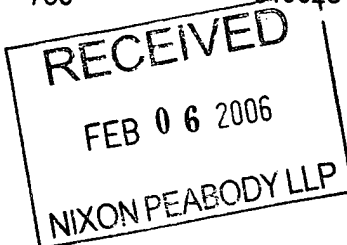
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/521,920	07/11/2005	1651	730	019028-56312	10	8	1

Ronald I Eisenstein  
 Nixon Peabody  
 100 Summer Street  
 Boston, MA 02110



CONFIRMATION NO. 6179

## FILING RECEIPT



\*OC00000017972002\*

Date Mailed: 02/02/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

John K. Leach, Roxbury Crossing, MA;

**Steven R. Tannenbaum, Framingham, MA**

## Assignment For Published Patent Application

Massachusetts Institute of Technology, Cambridge, MA

Power of Attorney: The patent practitioners associated with Customer Number 53143. ✓

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/23869 07/30/2003 ✓  
 which claims benefit of 60/399,493 07/30/2002 ✓

## Foreign Applications

Projected Publication Date: 05/11/2006

Non-Publication Request: No

Early Publication Request: No

## Title

Methods for perfusion and plating of primary hepatocytes and a medium therefore ✓

**Preliminary Class**

435

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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## Declaration and Power of Attorney for Patent Application

## 特許出願宣言書及び委任状

## Japanese Language Declaration

日本語宣言書 Docket No. 9281-5201

Client Reference No. 04-02015US-00-N

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先として国籍は、私の氏名の後に記載された通りである。

My residence, post office address and citizenship are as stated next to my name.

下記の名前の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Exchange-Coupled Film Including Pinned  
Magnetic Layer Composed Of Plurality Of  
Cobalt-Iron Alloys Having Different  
Compositions Disposed On  
Antiferromagnetic Layer, And Magnetic  
Sensing Element

上記発明の明細書はここに添付されているが、下記の初がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked:

☐ \_\_\_\_\_ の日に出願され、  
この出願の米国出願番号またはPCT国際出願番号は、  
\_\_\_\_\_ であり、且つ  
\_\_\_\_\_ の日に補正された出願（該当する場合）

☒ was filed on November 8, 2005  
as United States Application Number or  
PCT International Application Number  
11/271,263 and was amended on  
\_\_\_\_\_ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.66に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.66.

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the need of the individual case. Any comments on the amount of time you are required to complete this form should be sent to Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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## Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 118(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)  
外国での先行出願

Priority Not Claimed  
優先権主張なし

2004-326565

Japan

10 November 2004

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願日/月/年)

☐

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願日/月/年)

☐

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of application.

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可、係属中、放棄)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣誓し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



# Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の  
手続を特許庁長官に対して遂行する并にまたは代理人  
として、下記の者を指名いたします。(弁護士、または代  
理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint  
the following attorney(s) and/or agent(s) to prosecute this  
application and transact all business in the Patent and Trademark  
Office connected therewith (list name and registration number) -  
ALL REGISTERED PATENT PRACTITIONERS  
ASSOCIATED WITH CUSTOMER NUMBER 00757

書類送付先

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Brinks Hofer Gilson & Lione  
P.O. Box 10395  
Chicago, Illinois 60610  
(312) 321-4200

直接電話連絡先: (名前及び電話番号)

Direct Telephone Calls to: (name and telephone number)

第一または第一発明者名	Full name of sole or first inventor	Kazuaki Ikarashi
発明者の署名	Inventor's signature	<i>Kazuaki Ikarashi</i>
日付	Date	February 9, 2006
住所	Residence	Niigaka-ken, Japan
国籍	Citizenship	Japan
私書箱	Post Office Address	c/o ALPS ELECTRIC CO., LTD. 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan
第二共同発明者	Full name of second joint inventor, if any	Naoya Hasegawa
第二共同発明者	Second inventor's signature	<i>Naoya Hasegawa</i>
日付	Date	February 9, 2006
住所	Residence	Niigaka-ken, Japan
国籍	Citizenship	Japan
私書箱	Post Office Address	c/o ALPS ELECTRIC CO., LTD. 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan

(第三以降の共同発明者についても同様に記載し、署名をす  
ること)

(Supply similar information and signature for third and subsequent  
joint inventors.)

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第三共同発明者		Full name of third joint inventor, if any	
第三共同発明者 日付		Eiji Umetsu	
住所		Third inventor's signature	Date
		<i>Eiji Umetsu</i>	February 9, 2006
国籍		Residence	
		Niigata-ken, Japan	
私書箱		Citizenship	
		Japan	
		Post Office Address	
		c/o ALPS ELECTRIC CO., LTD.	
		1-7 Yukiya, Otsuka-cho, Ota-ku, Tokyo, Japan	
第四共同発明者		Full name of fourth joint inventor, if any	
第四共同発明者 日付		Kazumi Kamai (formerly Kazumi Matsuzaka)	
住所		Fourth inventor's signature	Date
		<i>Kazumi Kamai</i>	February 9, 2006
国籍		Residence	
		Ishikawa-ken, Japan	
私書箱		Citizenship	
		Japan	
		Post Office Address	
		31 Miyaboshincho, Hakusan-shi,	
		Ishikawa-ken, Japan	
第五共同発明者		Full name of fifth joint inventor, if any	
第五共同発明者 日付		Takuya Seino	
住所		Fifth inventor's signature	Date
		<i>Takuya Seino</i>	February 9, 2006
国籍		Residence	
		Niigata-ken, Japan	
私書箱		Citizenship	
		Japan	
		Post Office Address	
		c/o ALPS ELECTRIC CO., LTD.	
		1-7 Yukiya, Otsuka-cho, Ota-ku, Tokyo, Japan	